

reputation in Europe
would like to have specimens,
but I have no one now
who could undertake it
to label and divide them.
Do you perhaps know a
person fit for this work?
It is desirable that he
should reside in the U. S.

My twins; Balandra
Malvina & Clara(?) are like
blooming roses. They walk
now and develop themselves
so finely that they are an
everlasting source of joy
and pleasure for us.

I hope sincerely that
Mrs. Gray has entirely recovered

Yours

most sincerely
Henry W. Bolander

6128 *Trisetum* — of the catalogue
is *T. barbatum* Steud = *Bromus Trinitii*
of Desvants' *Gramineae Chilensis* p. 441.

San Francisco Jan 1st 70.
Prof. Dr. Asa Gray Cambridge

My dear Sir,

Your kind letters
were received this day; thank you
very much for the information.

Did I tell you that that little
shrub was also collected by me
in Yosemite Valley near Mirror
Lake on rocks but not in flower.
At that time I took it to be a
Baccharis having exactly the leaves
of our *B. consanguinea*. So far
I observed it on rocks only, scarcely
8 inches high in this form 
I have quite a number of specimens

to go into the sets.

Our Christmas was wet and sleety but our New Year clear, bright & warm and the hills all green.

Please inform Prof. Fries that I shall be most happy to exchange. His Herb. Succ. not male would be quite an acquisition for us.

We will send you all we have on hand.

Prof. Whitney is still here; we can't tell now what our enlightened legislature will do. It is quite possible however that they will appropriate money enough to publish what is ready for publication.

My school has now 2842 pupils and still increasing. On Monday next we will open. I am quite puzzled to find room for the new already announced ~~commencement~~ pupils.

For Lesquerens is hors de combat and Mr. Lulliam although at work, does not write me, yet I sent some fine new mosses from Bear Valley. Such a silence on discoveries is, to say the least, very discouraging. I hope he will give me a very little attention. Without aid I don't know what I am doing in the moss-line. I have a fearful quantity on hand and persons of high

San Francisco Febr. 18th 1870

Prof. Dr. Asa Gray Cambridge Mass.

My dear Sir,
Your kind favor
of Jan. 29th has been duly received
I thank you for the information.

I can well perceive that a monograph of the Genus *Eriogonum* keeps you busy. They are in their native haunts beautiful plants, but hard nuts to crack. I sincerely hope you will delay printing until you have seen those of my collection.

The collection is ready to go. Would it not be well to write to the Smithsonian to instruct their agent here to forward those boxes at once? They are very slow now. A box of bones for the Smithsonian was for months on the way.

Westermann & Co sent me the receipted bill long ago. Steiger's bill is small and will be presented soon.

I am glad to hear that Gen. Meunier has begun in good faith to work up *Grasses*. I shall write to him and send him duplicates of all in my possession. The enclosed *Spizella* came very handy. the identical form I discovered this summer at Bear Valley at about 5000 feet alt. This was for the first time that I met with it on the higher Sierras.

Next week I will spend at Sonoma and my summer vacation along ^{on} the western slope of the Sierras along the R.R. road. These localities are quite interesting.

A few days ago I received a letter from our friend Lesquereux; he is improving and thinking already

of the study of Calif. moths. I sincerely hope it will be so; for he is remarkable for his propensities. Mr. Sullivan did not write; he is however at some of my moths. The drawings of the 2^d Vol. of his *Scenes* are nearly completed.

My school keeps me unfortunately so busy, that I can do but little field work, except during vacations.

Hoping to hear soon again from you

Remain
Yours
most sincerely
Henry W. Botander.

There is a gentleman in New York
a Dr. W. whom I promised to consult.
worth them up satisfactory, let
me know it by directing your
letter to Cisco on the C. P. N. H.
up to July the 10th.

Please push Prof Brewer,
let him work, for I understood
he has become quite fleshy.

Should any of my correspond-
ents complain of my slowness
in answering letters, please ex-
cuse me; for I have my hands
quite full at present.

Dr. Bigelow and Mr. Emerson
were here. I was most happy to
make their acquaintance. With
Dr. Big. I made a trip into our
Redwoods.

I start to morrow

Yours
most sincerely
Henry W. Bolander

San Francisco June 3rd 1870

Prof. Dr. A. Gray Cambridge Mass.

My dear Sir,

I have two of your
kind letters before me. I will answer
them before I leave for the Sierras. We
organized a camping party and will
remain for about five weeks at Cisco
and at the Summit. Just think of
our pleasure to roam for five weeks
on those beautiful Mts in pursuit
of objects of nat. history! We are
well supplied and hope to make
a large collection.

The arrival of the boxes is
gratifying news; we gave them up
for lost.

Please give Dr. Fries, Dr. Hooker

Prof. De Candolle & Engelmann
full sets. Dr. Hooker and Prof.
De Candolle will receive them as
a gift and contribution from
us. You use for your own herbarium
whatever you desire. Could you
not find a young botanist who
would distribute them by obtaining
a full set for himself?

Will it not be asking too much
to procure for a banker here and
an amateur botanist a copy of
Hooker's Flora bor. Am.? He will
pay at once whatever the cost
may be. A desire to study botany
is rapidly increasing here and
it is very much to be regretted
that we have no Flora of our
own to assist people in their desire.

Your contributions to Botany
have arrived; much obliged

I have been out a few days
in the Redwoods. Think my
astonishment in finding a
Gymnostichium very likely our
Histrix, growing in Marin Co
down in San Mateo Co. The grass
in question is very much larger
in all its parts than the eastern,
is hirsute and has a drooping
spike. As far as I am able to
learn, it has not been collected
by any one, though it is apparently
quite common. At my return I
will study it. *Quercus Wislizeni* Engl.
was also found growing in San
Mateo Co in the Redwoods; thus
far I found it only north of
Sonoma Co.

Should there be any plants among
those collected at Bear Valley that
require additional in order to

of *Stipa* all referred to
St. viridula. There are
two species at least
and beyond all doubt.

Found also three small
lakes, containing Goats.
I had the pleasure of
meeting Prof. Whitney
and Prof. Gibbs on the
cars coming home

Yours
most sincerely
Henry R. Bolander

San Francisco 13/7 70
Dr. A. Gray Cambridge

My dear Sir,

The beautiful
days are gone and I
am at school again.
I found quite a number
of plants new to me.
Dr. Kellogg remained
at the Summit, he will
perhaps stay there until
fall.

The labels for the plants
in your hands should read
thus: Plants collected by
Dr. A. Kellogg & W. G. W.
Harford in California &
Oregon

It would be hardly fair
to add mine. My con-
-tribution is rather small
(some from Bear Valley, Donner
Lake and Humboldt City
Nevada)

When named, we would like
to have the list, for we
kept duplicates for our
Academy.

Tell Mr. Watson to
save for me a set of
his plants - if they
can not be had any more
I would like to have
him send me as soon
as possible at least
a few odds and ends
of all his grasses

King promised me to
let me work them up

but I suppose now
that he has changed his
mind. That matters very little
but I would like to have
at least a small slip
of each kind. They might
be sent by mail, placed
between paste-board.

Will you have the
Kindness to urge this?
I will not commend upon.

Allow me to send you
soon some of my dis-
coveries by letter. They
are yet in the mountains.

Enclose a slip of a re-
markable Stipa, new to me
Considering all, I am
able now to clear up
some doubts concerning
those various forms

fund.

As soon as the Doctor
comes home I will have
to communicate quite a
number of plants.

Yours
most sincerely
Henry W. Bolander

San Francisco Sept. 26. 90.
Prof. Dr. Gray, Cambridge.

My dear Sir,

I should have
answered yours of Aug 31st long
ago had I not expected daily
my plants from the mountains.
They are in charge of Dr. Kellogg
and he is still on the summit
collecting.

I am glad that Prof. Brewer has
put upon those plants; those
collected this summer I will
try to put in a more agreeable
shape. The old Doctor is rather
inclined to bungle matters, though
an incessant worker, a man who

is never tired, to whom no mountain seems too high or too rugged.

I thank you very much for those plants (European), I shall write to Dr. Hooker about them.

You have taken more trouble about the grass question, than I could have supposed. It is true I felt a little hurt that I heard nothing more of Mr. King whom I had learned to respect so much. I thank you for the kind explanations.

At last I heard once more from Dr. Engelmann, Lesquerens and Dr. Torrey. I thought all my old friends had forgotten me.

Dr. Torrey sent me a Doctor Diploma. Dr. Engelmann wrote four long long pages on the pines full of puzzles. I must set aside a whole week to answer. Mons. Lesquerens thinks he is now

able again to take up my mosses of which I made large collections. Dr. Kellogg will bring the Brya not ripe, when I was obliged to leave. He will find this summer's work a fine contribution to our Bryology. I have also a large number of Lichens and Hepaticae. Prof. Tuckerman has given me up as a lost case, because my school duties did not allow me to make as many excursions as before.

A few days ago, I received a box from Dr. P. von Müller. It contained also a package of plants for you. Hope to find some one to take it east.

In a few days you will receive the last bill from Steiger. Don't know whether all coming to me is used up or not. Should it be the case, I will try to re-

San Francisco Oct. 19. 70.
Prof. Dr. A. Gray Cambridge

My dear Sir,

Yours of Sept 21.
is before me. Fowler's parcel
is for me. Please send it
with Dr. Hooker's plants
by the Smithsonian to our
Academy of Sciences.

All the plants collected
this summer are now in town
and we are busily at work
to arrange them.

Please give the enclosed
lines to Mr. Watson
I could not make out his
initials.

I am quite anxious to see
your *Polemoniaceae*, they
are really those plants
with which I could do
nothing for the want of
works.

I hope you and Dr.
Hooker will carry out
the plan of coming to this
coast.

Give my best regards to
Prof. Whitney.

Yours
most sincerely
Henry N. Bolander

Vilfa rigens? doubtfully so named
by Prof. Thunberg is *Cinnia macrocarpa*
(*vide Munro*) it agrees well with
the description of *Trinervia*.

Enclosed I send you a panicle
of a grass from Virginia city
collected by Bloomer. It surprises
me. the ovary is bearded - the
squamulae triangular, moved apart
and ciliate. Palea (lower) numerous
on the back; upper bifid. Yet it
looks all like a *Poa*.

A few seeds of a *Guttea*
from San Luis Obispo.

Yours
most respectfully
Henry N. Bolander

San Francisco March 21. 71
Prof. Dr. Asa Gray, Cambridge

Dear Sir,

Both your letters have
come to hand. *Scutellaria B.* was
sent to day. It is the oldest spec-
imen in the remaining lot.

The plants of Dr. Gray's Herbarium,
sent through the Smithsonian, have
safely arrived. Did you receive a
parcel of seeds, I believe three or
four kinds, sent in a letter? Seeds
almost of any kind were scarce last
year. As soon as my bulbs have
flowered I wish to send you an
entire set, so that you may study
them growing.

Some are already in full bloom. A serious question are our lilies. the large white one will not grow here. Many attempts have been made.

Bloomer sends his best regards and thanks for the *Polemoniaceae* — Dr. Kellogg calls his little pet *Licentia* *L. uniflora*

I am pleased that you give me an opportunity to do something for the Cabinet of woods.

Can't you give me the size of the blocks you prefer? the Redwood I will tend to at once. I am sorry that I allowed myself to be run in debt so large an amount.

Could you send me a fair specimen of Nuttall's *Poa andina*? I am revising my large collections of Cal^o grasses. Have made quite a number of

interesting discoveries and verifications. In the latter I was much aided by specimens sent from St. Petersburg and Chili.

As soon as I have finished my work I will send you specimens for distribution. My specimens are well prepared and will please you, although grasses.

Guinea arundinacea var *pendula* from the Big Tree Grove has two stamens that from Bear Valley one

Trisetum barbatum Steud is *Bromus Trimi* in Desvoux's work on Chilean grasses.

Stipa eminens Cav. has but one stamen. Therefore correct.

the new *Stipa* sent some time ago is a true *Lasiagrostis*.

the *Poa* named *P. sylvestris* is the mountain form of *P. trivialis*

San Francisco May 13th 71.
Prof. Dr. Asa Gray

Dear Sir

Enclosed I send
you two *Brodiaeae*, the one
is our common (growing in the
valleys and Coast Ranges;
the other I observed for years
in the mountains at Bear
Valley (4000) and other places.

I took up roots of both
and planted them side by side
and they show still a signifi-
cant difference.

Please examine. Will
send you bulbs in fall.
this is not to be con-
sidered an answer to

your letters. To morrow
if possible I will answer
them.

the Gentlemen recommend
ed by you, and Lord Walsing
ham have arrived. they
enjoy it.

Yours
most respectfully
Henry M. Bolander

P.S. Shall go to Yosemite
Have you any thing
particular to look up

be accompanied by a crew.
(old & young if possible)

Your third letter I will
read to our Academy and
then report.

Could you procure for me
a report on your polytechnic
school. Being one of the
regents of the Odd-fellows
college, I would like to see,
if our men could not be
persuaded to create a
polytechnic school, instead
of a common college.

How can I procure a
catalogue of your most
enterprising and skilful
gardener?

San Francisco May 20. '71.
Prof. Dr. Asa Gray Cambridge

My dear Sir,

I have received three
letters of yours. Messrs Horns
and Mainland have been with
me, they are now in Mendocino
Co. I shall assist them in what
ever I can. Allow me to ex-
press my gratitude for that
large package of plants.

I had a letter and package from
Watson to day. I think we now
understand each other.

How much I should like to
spend a month or two in your
habarium, nothing would delight
me more. Alas! that school

keeps me closely down. All I can hope is to spend nearly a few weeks on the mountains this summer's vacation I intend to spend in Yosemite Valley.

Let me know if there is any thing special to look for.

I shall likely distribute some of my plants yet before I leave; in that case I will send a package directly to Prof. Thies. I will also write.

I think the collection of woods should rather be one of ours only; or ours should be at least kept by themselves. These museums, containing only what belongs to the immediate surrounding are most instructive and beneficial. Put up with foreign specimens they lose and are

undereated. I think every place should have a museum for home productions first before anything else is attempted.

If we can induce people to become acquainted with what surrounds them; and can cultivate their taste for an understanding of their home, we have gained all.

The blocks of wood should have at least the length of a foot, else the bark will not show its character well; also should one side and top-end be kept in a rough state, and the other side and top-end should be polished, so as to show it in both stages.

Near the block should be placed a branch or two with the blossoms or fruit. Pine-blocks should

I wish to open correspondence
with one, who mostly raises
ornamental plants.

I hope Prof. Brewer
will persevere; for here is
a great longing for his
work. It seems as if Bot.
should receive a great deal
of attention by our people
generally.

I enclose the ripe capsules
of *Brodiaea coccinea*. They
may perhaps interest you.

Remember me kindly to
Prof. Brewer.

With due regard.

Yours
most sincerely
Henry D. Bolander

San Francisco Nov. 4. 71.
Prof. Dr. A. Fay. Cambridge.

My dear Sir,

I am almost
ashamed on account of my
long continued silence. But
you have undoubtedly learned
that it is not my fault.

Having been placed before
the people of this state as a
candidate of Superintendent
of Public Instruction contrary
to my desire, I had to turn my
attention into a different di-
rection entirely. On the 18th of
Oct. I was elected by nearly
15000 majority - and now I feel
like returning again to my

Favorite Science.

My new position enables me to do considerable work for it. I will have more leisure time. The office itself compels me to be out, travelling about in the state four months at least during the year. The state pays yearly 1000 \$ for travelling expenses.

It is my desire to turn now my attention to the distribution of our vegetation. Suggestions, pertaining to this subject, on your part, would be very welcome indeed.

I have collected in Bear Valley a few plants, that require your attention. Will send them soon.

Accept this as a sign of life.

Yours
most respectfully
Henry A. Bolander

I have published a few more
new species of Calif. grapes.
Will send you the paper and some
specimens thereof. In fact, they
were laid out some time ago.

The wanted parts of our
Proceedings will be sent to
you by Mr. Bloomer.

Please push Brewer
to the utmost; for there is
such a great demand for
a text-book of our flora. It
will be still greater in a short time,
for I intend to make the study
of natural history obligatory in
our common schools.

With due regards

Yours
most respectfully
Henry S. Bolander

Have tended to the wood question.
Will be able to furnish ours soon.

San Francisco Jan. 27. 72
Prof. Dr. Asa Gray Cambridge

My dear Sir,

At last a sign of life
from you! I really began to think
the whole world had forgotten me.
Little, very little have I done since
I was nominated and I really
felt that something was wanting:
it was the intercourse with my plants.

I made a new start. Commenced
to answer letters again and feel the
better for it.

I collected in Bear Valley a singu-
lar composite, which I wish to refer
to you. I found but three specimens
fit to take.

Spring has come; our hills are

green again and the violets
begin to bloom.

My new position will not
exactly permit me to make large
collections, but it will enable me
to make small choice ones. It will
afford me an opportunity of visiting
far-off districts.

During my term of office I wish
to study particularly the distribu-
tion of our forest-trees and plants
generally. I hope you will make
some suggestions as to mode,
manner and method; for I have
it now in my own hands to see the
whole state.

I have no doubt that Prof. Whit-
ney will be enabled to proceed. For
all the members of the legislature
with whom I spoke of the matter,
seem to be very favorably disposed.

Being called before the Committee
on Education, I endeavored

to show to them that, without
the complement of the Survey, our
schools would be deprived of
some of the most useful and profit-
able studies.

The same question is before me
again. Dr. Engelman is still dis-
satisfied with some of the conclusions
he arrived at. By his long explana-
tory letters, I became convinced that
the material, collected here and
now in European herbaria is in
a most sad confusion.

It can hardly be expected that Prof.
Brewer will touch those plants, before
having finished his botanical report.

I sincerely hope that your society
will meet here and you will come
out and see our grand sights, the
Yosemite, the Redwoods, the Big
Trees &c. I shall take great delight
in accompanying you to some of these
places.

Kind wishes for your safe
arrival, I am

Yours
most respectfully
Henry A. Bolander

San Francisco Apr. 18. 72.

Prof. Dr. Asa Gray.

Dear Sir,

I have two letters
of yours before me. Certainly will
I collect a small number of all things
unknown to me.

Melica aristata Thurb. is as true
a *Melica* as any existing. Its inner
structure is decidedly that of a
Melica, also its habit and habitat.
I have quite a number on hand which
you shall all have besides other
good things.

I am happy to learn that you
have decided to come. Yes let us
have a fine time; fortunately
I am now so placed that I

can accompany you. Please
make it a long stay, for we
have many places worth seeing.

Can not Dr. Torrey be per-
suaded to come?

Will Prof. Brewer give
us also a school edition
of his work? If he should
neglect to do so, others will
take advantage of it and re-
alize a handsome profit
from it. The greatest desider-
atum now is undoubtedly
a good cheap botanical text
book.

I shall make a short trip
before your arrival into the
eastern portion of the Sierras.
I will be back by the time
you come.

With due regard and



STATE OF CALIFORNIA.

DEPARTMENT OF PUBLIC INSTRUCTION.

San Francisco, Dec. 10th 1872

Prof. Dr. A. Gray Cambridge

My dear Sir,

Yours was received last night. Concerning the Linum, I wish to ask you a favor, a great one in my own estimation. Would you have the kindness to change your name into that of Davidsoniana in honor of Mrs. Davidson, the worthy Lady of Prof. Davidson of our Coast Survey. She ascended with me Mount Stanford. We found there a Primula of great beauty, and it being new to me, I thought it might also prove new to our science. In this we erred. It seems to be your P. suffutescens. To compensate our Lady friend, I thought it just that her great exertions should be recognized. I leave the matter to you to decide.

The flowers of the *Luium* are beautifully
yellow.

The remainder of your letter I shall
answer some other time. I am hard
pressed just now.

Yours
most respectfully
Henry A. Bolander

Stearns

Mr. Stearns

STATE OF CALIFORNIA.



DEPARTMENT OF PUBLIC INSTRUCTION,

San Francisco, Jan. 5th 1873

Prof. Dr. Asa Gray Cambridge.

My dear Sir,

Concerning our ac-
counts or rather my account, I am prepared
to settle either way. If you can make use of
plants, please take whatever you consider an
equivalent, but if you prefer cash, please
send me the bill. I am quite sorry that this
matter was delayed.

I am very glad to hear that you are pushing
ahead the Bot. Report of this coast. There is such
a demand for it. Almost daily I am asked:
"When will the botany be out?"

I think myself there is but one honey suckle in this
State. All I observed seemed to me but variations
of the same species.

Linnaea is here. A gardener (Miller) collected

it near Nevada City last fall. Personally, I have never met with in my rambles.

I always found *Arctostaphylos juncea* a procumbent shrub, leaves bright shining and acuminate, while those of *A. glauca* are dull green and rather blunt. They differ also in point of distribution. *A. juncea* occurs on barren soil near the coast and then again quite a -
bundant on ^{the} mountains from 4 - 900 feet up-
wards. *A. glauca* belongs strictly to the ~~dry~~
most barren and driest portions of the interior
valleys and foot-hills; it is always erect
with a broad top.

I shall try to send east the plants col-
lected by me last year; they may be of
some service to you.

Happy New Year!

Wishing you good health, I am, dear Sir

Yours
most obedient
Henry A. Bolander

I hope to make a long letter this
time, but I must go to the office
before my next, directing my life to that
of the science

might be referred to Col.
Olney, whom I have quite
neglected as many others.
For this I am quite sorry,
but it cannot be avoided
now.

I started my boy in the
gardening business, especially
the raising of flowers and
subtropical trees likely
to stand our climate. Any
seeds that you may have
to spare will be thankfully
received. Desiderata are ^{seeds} espec-
ially of such plants producing
white flowers. Such of fine
foliage &c

Yours most respectfully
Henry H. Bolander

Amund Jan. 13

San Francisco 2/2/73

Prof. Dr. A. Gray Cambridge

Dear Sir,

This day I finished
the distribution of my plants, collect-
ed during the last two years. The
box will contain four parcels
for you, N^o I. II. III IV
Also one for De Candolle, one
for Maximowicz. The one for
Dr. Hooker I shall send directly.

As parcels 3. 4. 5. contain plants
I did not know, I thought it better
not to distribute them among these
three Gentlemen named, but leave
it to you to send them a part

or such you think will interest them. M^r. Maximowicz desires to pay for them, but I wish them considered a present.

By mail I send you with this letter a small parcel, containing plants collected by J. G. Lemmon, a teacher, in Sierra Valley. His specimens are poor; but still they may interest you. In future he may do better; he is quite an enthusiast, and a good mountainer; he may be able to find many new plants yet in those mountain recesses.

He stays a good part of his time with Dr. Webber the owner of Webber L^o. The old Gentleman has no children; he adopted five, and had them edu-

cated, some in Europe, and now he is forsaken by all of them, and leads a retired life.

In connection with this noble character, I would most humbly ask you to dedicate a species to each of these Gentlemen, if there are any new ones.

The specimens in the small parcel, sent by mail, are numbered which please to attach to the names.

Knowing that you are at work on our flora, I thought a new supply of specimens might be desirable. On a few grapes I shall report myself.

The two parcels of Coriaces



STATE OF CALIFORNIA.

DEPARTMENT OF PUBLIC INSTRUCTION,

San Francisco, Apr. 1st 1873

Prof. S. Gray Cambridge

Dear Sir,

I am just preparing to leave for San Diego and shall stay from you to six weeks. I hope to see and collect good things. Shall report at my return.

In the box coming you will find plants for Max. of St. Petersburg, Algae for Eaton, Coriaces for Col. May 44

Please send Prof. Macrae whatever you think will please him of my plants. All such matters you settle to your liking for you know best. Could the Professor be persuaded to send us some spores of ferns, or some seeds of some good foliage plants?

Webber Lake is about 20 miles north of the Summit, where you crossed the Sierras and

think equally as high up as the Summit. Sierra Valley is 25 miles north of Truckee on the eastern side of the Sierras. Imagine Lake Tahoe dry land and you have the most perfect picture of that valley. I think it covers also the same number of square miles. Its altitude is 6000 above the ocean.

The sad news of Dr. Torrey's death has reached us. Permit me to remain silent. I have not words at command to express my sorrow.

Wishing you good health, I am

Dear Sir Yours

most respectfully
Henry A. Bolander

P.S. Could you suggest a name of some person in the South of whom I could procure Magnolia seeds?



STATE OF CALIFORNIA.

DEPARTMENT OF PUBLIC INSTRUCTION.

San Francisco, May 31 1873

Prof. Dr. A. Gray

Dear Sir,

I hope the two boxes, one for you and one for Dr. Hooker at Kew Gardens, have reached their destination. The plants for St. Petersburg, be better placed into the hands of Prof Maximowicz. He may dispose of them as he sees fit. I am quite anxious to do all in my power for him, also for Dr. Hooker and De Candolle.

I have safely returned from my Southern trip. The plants collected, during that trip and such as I may yet collect this fall will be forwarded for distribution among your friends. I intend to visit the so-called Gold Bole, a snow-covered

mountain of the Coast Ranges near
Red Bluff - a mountain not yet visited
by any naturalist. the Red Mountain
on the boundary line of Mendocino
and Humboldt Co. yielded many a new
species and there I expect to find many
more, being farther north and snow
covered till late in August.

When you dispatch the plants to St.
Petersburgh you might add a set of those
still in the hands of Prof. Brewer,
and charge it to me.

Hoping to hear soon from
you, I am, dear Sir

Yours
most respectfully
Henry A. Bolander.



STATE OF CALIFORNIA.
Department of Public Instruction.

Sacramento, June 11th 1873

Prof. W. A. Gray Cambridge

Dear Sir,

Your favor has been duly received. I took the boxes myself to the steamer, and our mutual friend Sam. Hubbard took charge of them. They are undoubtedly safe, though slow.

By fall I shall send you some more. You may distribute them to your liking.

At San Diego I found in large number the genus *Bloomeria* extending as far north as Santa Barbara.

I took up some of the
bulbs.

Could you mention any
time, when our Manual could
be ready? There is really quite
a demand for it; its appear-
ance would stimulate very
much the friends of botany
and the geological survey,
and do a great deal toward
arriving at a better knowledge
of our flora.

Quercus californica
is very common along the
coast of the Southern counties
of California. I think it
would do well under proper
cultivation, for its heads
are large and quite showy

the *Pinus Lambertiana*, *ponderosa*,
Coulteri, *Libocedrus*
decurrens and *Abies Douglasii*
occur largely on the Cayumaca
mountain in San Diego Co.
There were yet a number of
snow patches on it, when
I ascended it in April.

P. Coulteri is largely used
there for building purposes;
its lumber, however, is of
the poorest quality.

This mountain is the most
southern limit of the Sugar
pine on this coast.

Yours
most respectfully
Henry R. Bolander

Cayumaca is 60 miles east of
San Diego

STATE OF CALIFORNIA.

DEPARTMENT OF PUBLIC INSTRUCTION,



San Francisco, Aug 1st 1873

Prof. Dr. A. Gray Cambridge

Dear Sir,

Your kind letter has been duly received. To Hooker I sent only (in the box spoken of) Coniferous specimens, fearing there might be something new among the others.

Please send those African plants through the Smithsonian. In return send a set of Kellogg's plants as agreed upon before.

Dr. Kellogg is in the Sierras collecting. Neither I nor Mr. Bloomer could find anything of his described plants. I can assure you that we both protested against publishing anything botanical. I knew that synonyms were added, but our talk was of no avail. The late Sir W. Hooker wrote to me once: "What are you doing in California, you

are describing plants which I described 40 years ago."

A letter from you to Prof. Whitney and Prof. Davidson will stop it.

The rays of *Pentachaeta aurea* are sulphur color.

I shall soon send the plants collected in the southern part of this state.

Yours
most respectfully
Henry A. Bolander

STATE OF CALIFORNIA.



DEPARTMENT OF PUBLIC INSTRUCTION,

San Francisco, Dec 22 1873

Prof. Dr. Asa Gray, Cambridge.

Dear Sir:

Your favor was received last night. My sincere thanks for the communication.

Breweria suffruticosa

This new plant occurs in great abundance near Cisco, on small barren plains, closely joining the South fork of Yuba river. It also occurs most abundantly between Truckee and Donner Lake on similar barren plains. These small level plains are made up of disintegrated granite which forms a loose gravelly soil. The plant's growth is singular; it forms mazy semicircular or sometimes circular tufts, having one or two feet in diameter. The center is usually free of all vegetation. The cauline leaves form dense tufts and the stalks

rise in great numbers among them.
The flowers are greenish white and in
great profusion. It has in every respect
the habit of a fine border plant.
The lower part of the stem is woody, bearing
tufts of leaves a little above ground.

The difference of altitude between the two
places cannot be very great.

Sent yesterday by mail Vol III
of the Proceedings of Cal. Academy,
for Mr. Watson.

Yours
most respectfully
Henry A. Bolander.

What's the name of the
oak, collected near Los
Angeles?

San Francisco Apr. 11. /4.

My dear Sir,

I sincerely hope you will
excuse this long delay caused by official
business before our legislature.
Since I wrote last I have received
Part I of Vol II from a bookseller in
London. Thanks for your kind offer.

The plants from Prof. MacCowan
arrived safely. They are very beautiful
and acceptable. Thanks.

Don't know what to say about
Dr. Kellogg. A letter to the President
would have the desired effect.

I found the flowers of *Rapanea*
guia open during the whole day

I am now preparing to go
north. I need it very much
after having been four months
fighting before our legislature.
I feel exhausted and almost
tired of my very existence.

Politics, if forced into it,
as I was, are sufficient to
tire out and crush out all
nobler impulses in man. Under-
stand life now much better, than
ever - I see why so many of
our younger men become utterly
unfit for any earnest work.

Hoping to hear very soon
from you, I am, dear Sir

Yours
most respectfully
Wm. L. G.

San Francisco 12/10/74

Prof. Dr. Asa Gray

My dear Sir,

Your favor of Oct 2^d came to hand today. Many thanks for so long a letter which is rather unusual on account of its length. It is highly appreciated.

It is true Bolander's ~~shrub~~ ^{shrub} will run into the ground; for he is quite satisfied yet to be above it. But since this is a tall and conspicuous shrub, overlooked by many a traveller, I beg for the first time in my life to have it named Bolanderi. Strange! I hope dear Doctor it may not strike you so. Going to a new country on the top of a

stage for two days and
two nights without venturing
of closing even one eye, for
fear I might miss one plant,
deserves a little allowance.
And just in commemoration
of this youthful endurance
I ask the grace on your
part, to permit me, for once,
to give this shrub my name.

If you do so I shall
send you next year either
seeds or roots.

Yours
most respectfully
Bolander

San Francisco Dec. 23. 76.

Hof. Dr. Asa Gray, Cambridge

My dear Sir,

First of all: Merry Christmas and Happy New Year! May it be my good fortune to congratulate you for many many years to come.

I am in possession of Volume first of the Bot. of Calif. Could not wait any longer, so I brought it.

Part first of Vol. first of Hookers & Bentham's Genera I possess. Part second might be divided and sent by mail.

We have no rains, but instead
of it weather not to be surpassed
any where. Too good entirely!

I should like to have some
duplicates of fungi from Prof.
Parlow, but I hardly dare
to ask him for it directly. I
am of the opinion there is much
to be done yet here in this line.
But in order to be able to make
good specimens, it is necessary
to see some.

My room, especially built
for my herbarium, is now com-
pleted; and my plants partly
arranged. I am now ready
to enter again the arena and
do something in botany by way
of collecting.

Hoping to hear soon from
you, I am

Yours
most sincerely
Bolander

If you want to get

• Californian Fungi:

— here is a fine chance

A.S.

San Francisco Feb 27. 77

Prof. Dr. F. Gray, Cambridge.

Dear Sir,

I hope you will excuse this delay. Saturday before Christmas I was taken sick. For three weeks I did not leave bed; and after I did leave it, I always felt too weak to attend to my affairs. I feel much better now, but there is still an apathy and a general depression which I have been unable, so far, to shake off.

The book has been duly received and in two or three days I shall send you a money order. Many thanks.

We have had but little rain thus far. Yet a good harvest is expected in the Coast counties.

With due regards

Yours
most respectfully
Henry D. Bolander